

UNIVERSITY OF KENTUCKY

Articles Published or under review that were supported by the BIRCWH:

Current Scholars

Subbu Apparasundaram

Book chapter:

Apparsundaram S (2003) The norepinephrine transporter and regulation of synaptic transmission In Brain Norepinephrine Physiology and Pathology, Eds Ordway G and Frazer A, Cambridge University Press, Cambridge, United Kingdom June submission)(in press)

Manuscript submitted:

Gates J, Ferguson SM, Blakely RD, **Apparsundaram S** (2003) Regulation of Presynaptic Choline Transporter Phosphorylation and Surface Expression by Protein Kinase C and Protein Phosphatase 1/2A (submitted J Neurosci-November submission)

ABSTRACTS PUBLISHED

Clark JM, Quintero JE, Huettl P, Gerhardt GA, Bormans G, **Apparsundaram S** (2003) Evaluation of A-4 derivatives for the study of hemicholinium-3-sensitive choline transporter (Society for Neuroscience)

Gates J, Clark JM, Mbye L, **Apparsundaram S** (2003) Regulation of the hemicholinium-3 sensitive choline transporter following electrical field stimulation in the mouse striatum (Society for Neuroscience)

Michael Kilgore

X Wang, **MW Kilgore** 2002 Signal cross-talk between the alpha and beta forms of the estrogen receptor and the peroxisome proliferator-activated receptor in human breast cancer cells. Molecular and Cellular Endocrinology 194(1-2):123-33.

X Wang, D Talbert, and **MW Kilgore** 2003 Use of unique promoters between normal human epithelial cells and breast cancer cells: A case for promoter switching. (submitted, Cancer Research).

RC Southard, X Wang, and **MW Kilgore** 2003 Unique PPAR γ ligands mediate distinct patterns of gene expression profiles in normal human epithelial cells and in human breast cancer cells. (Submitted, Oncogene)

Alice Thornton

Feola DJ, **Thornton AC**, Metronidazole-induced pancreatitis in a patient with recurrent vaginal trichomoniasis. 38th Annual Meeting of the Infectious Diseases Society of America, New Orleans, Louisiana, Sept., 2000.

Nkhwashu NP, **Thornton AC**, Weber B, Garvy B, Hoosen AA. Antibody production and induction of cytokines in response to *Trichomonas vaginalis* infection in mice and humans. 15th Biennial Congress of the International Society for Sexually Transmitted Diseases Research, July 2003.

Nkhwashu NP, **Thornton AC**, Weber B, Garvy B, Hoosen AA. Antibody production and induction of cytokines in response to *Trichomonas vaginalis* infection in mice and humans.

Thornton AC, Dale T, Fortenberry D, Logan TK. Occurrence of Trichomoniasis in College Women. 15th Biennial Congress of the International Society for Sexually Transmitted Diseases Research, July 2003.

Past Scholars

Michael Hoffmann

Hoffmann M, Keiseb J, Moodley J, Corr P. appropriate neurological evaluation and multimodality magnetic resonance imaging in eclampsia. *Acta Neurol Scand* 2002; 106:159-167.

Jane Joseph

Joseph, JE. Preface to the special section of *Journal of Neuroscience Methods* on functional magnetic resonance imaging methods. *J Neurosci Methods* 2002; 118:101.

Joseph, JE, Gathers AD, Piper GA. Shared and dissociated cortical regions for object and letter processing. *Brain Res Cogn Brain Res* 2003; 17:56-67.

Joseph JE, Patin DJ, Jones KM. Hypothesis testing for selective, differential, and conjoined brain activation. *J Neurosci Methods* 2002; 118:129-140.

Martina Nikolova-Karakashian

Boyanovsky B, Karakashia A, King K, Gilitiay N, **Nikolova-Karakashian M**. Uptake and metabolism of low-density lipoproteins with elevated ceramide content by human microvascular endothelial cells: implications for the regulation of apoptosis. *J Bio Chem*, 2003

Claycombe KJ, Wu D, **Nikolova-Karakashian M**, Palmer H, Beharka A, Paulson KE, Meydani SN. Ceramide mediates age-associated increase in macrophage cyclooxygenase-2 expression. J Biol Chem 2002; 277:30784-30791

Culmsee C, Gerling N, Lehmann M, **Nikilova-Karakashian M**, Prehn JH, Mattson MP, Kriegelstein J. Nerve growth factor survival signaling in cultured hippocampal neurons is mediated through TrkA and requires the common neurotrophin receptor P75. Neuroscience 2002; 115:1089-1108.

Igho Ofotokun

Ofotokun I, Pomeroy, C. Sex differences in adverse reactions to antiretroviral drugs. Journal of Gender-Specific Medicine 2003; 11:55-59.

Melinda Wilson

Dressman J, Kincer J, Matveev SV, Guo L, Greenberg RN, Guerin T, Meade D, Li XA, Zhu W, Uittenbogaard A, Wilson ME, Smart EJ. HIV protease inhibitors promote atherosclerotic lesion formation independent of dyslipidemia by increasing CD36-dependent cholesteryl ester accumulation in macrophages. J. Clin Invest 2003; 111:389-397.

Gong M, Wilson M, Kelly T, et al. HDL-associated estradiol stimulates endothelial NO synthase and vasodilation in an SR-BI-dependent manner. J Clin Invest 2003; 111:1579-1587.

"Estradiol suppresses transcription under the control of the HIV-1 long terminal repeat"
Melinda E. Wilson, Kimberly F. Allred, Ashok Chuahan, and Avindra Nath. Submitted to AIDS.

Current Extramural Research Support:

Current Scholars

Subbu Apparsundaram

NIH, NCRR-P20-RR15592. Center of Biomedical Research Excellence in Women's Health (COBRE), 9.01.2000-8.31.2005. Co-Investigator. Effect of estrogen and selective estrogen receptor modulators (SERMs) in the brain.

Michael Kilgore

NIH, 5 T32 HD07436-09. Training Grant in Reproductive Sciences. Co-PI. 1.1.2002 – 12.31.2007

NIH, NCRR-P20-RR15592. Center of Biomedical Research Excellence in Women's Health (COBRE), 9.01.2000-8.31.2005. Co-Investigator.

Pending:

National Institutes of Health. NCI. Role of Peroxisome Proliferator-Activated Receptor in Breast Cancer. PI. July 1, 2003. Priority score, 156. Total requested, \$1,030,575.

The Kentucky Lung Cancer Research Program. Selective modulators of the peroxisome proliferator-activated receptor gamma as novel therapies for lung cancer. PI, January 1, 2004. Total requested, \$300,000.

Alice Thornton

HRSA, 61176 HA 00719-01-01. Categorical Grant Program to Provide Outpatient Early Intervention Services with Respect to HIV Disease. PI

University of Kentucky – Institute for AIDS Research. A Self-Management Program to improve medication adherence in HIV-Seropositive Patients. Co-Investigator

HRSA, 1 P06HA00704-01-00. Ryan White CARE Act Title III Capacity Building Grant. PI.

HRSA, 6 H76 HA00719-02-01 Ryan White Title III – One Time Funding. PI.